

Automotive Lubricant Viscosity Grades¹
Engine Oils – SAE J 300, Dec. 1999

| SAE | Low Temperature Viscosities | | High-Temperature Viscosities | | |
|------------------------|---|--|--|-------|---|
| Viscosity Grade | Cranking ² (mPa.s) max at temp °C | Pumping ³ (mPa.s) max at temp °C | Kinematic ⁴ (mm ² /s) at 100°C | | High Shear ⁵ Rate (mPa.s) at 150°C, 10/s |
| | | | min | max | min |
| 0W | 6200 at -35 | 60 000 at -40 | 3.8 | — | — |
| 5W | 6600 at -30 | 60 000 at -35 | 3.8 | — | — |
| 10W | 7000 at -25 | 60 000 at -30 | 4.1 | — | — |
| 15W | 7000 at -20 | 60 000 at -25 | 5.6 | — | — |
| 20W | 9500 at -15 | 60 000 at -20 | 5.6 | — | — |
| 25W | 13 000 at -10 | 60 000 at -15 | 9.3 | — | — |
| 20 | — | — | 5.6 | <9.3 | 2.6 |
| 30 | — | — | 9.3 | <12.5 | 2.9 |
| 40 | — | — | 12.5 | <16.3 | 2.96 |
| 40 | — | — | 12.5 | <16.3 | 3.77 |
| 50 | — | — | 16.3 | <21.9 | 3.7 |
| 60 | — | — | 21.9 | <26.1 | 3.7 |